FFFFFFFFFFFF	111	111	XXX	XXX
ffffffffffffff	111	111	XXX	XXX
FFFFFFFFFFFF	111	111	XXX	XXX
FFF	111111	111111	XXX	XXX
FFF	111111	111111	XXX	XXX
FFF	111111	111111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	ŶŶŶ	ŶŶŶ
FFFFFFFF, FFF	iii	iii		xx^^^
FFFFFFFFFF	iii	111		R R
FFFFFFFFFF	111	111		R X
FFF	444	111		
	111	111	XXX	XXX
fff	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111111111	111111111	XXX	XXX
FFF	111111111	11111111	XXX	XXX
FFF	111111111	111111111	XXX	ŶŶŶ

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Symt 10C1 10_C 10_C 10_F 10_S K1CL

KILL KILL LB - C LB - F LB - L LOCA LOCA

LOCK LOCCUA MAKE MAKE MAKE MAKE MAKE

MAKE MAKC MAP MAP

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		\$			

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                0002
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333333333344
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50
51
52
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54
55
                0050
                0051
                0052
                0054
                0055
56
57
                0056
```

```
O MODULE ACCESS (
LANGUAGE (BLISS32),
IDENT = 'V04-000'
) =
```

BEGIN

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FACILITY: F11ACP Structure Level 2

ABSTRACT:

This is the main processing routine for the ACCESS function.

ENVIRONMENT:

STARLET operating system, including privileged system services and internal exec routines.

AUTHOR: Andrew C. Goldstein, CREATION DATE: 20-Dec-1976 15:43 MODIFIED BY:

V03-023 CDS0004 Christian D. Saether 14-Aug-1984
Modify handling of extension fcbs. Deal with stale

fcbs.

V03-022 ACG0438 Andrew C. Goldstein, 26-Jul-1984 13:41 Add interlock to special caches for write accessed file structure files. Also move create-if handling to

VU4-000			14-Sep-1984 12:30:06 DISK\$VMSMASTER:
; 58 : 58	0058 1 ! 0059 1 !		the dispatcher.
60	0060 1 ! 0061 1 !	v03-021	CDS0003 Christian D. Saether 20-Apr-1984 Access arbitration changes.
63 64 65	0062 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	v03-020	ACG0412 Andrew C. Goldstein, 22-Mar-1984 18:15 Implement agent access mode support; add access mode to check protection call
67 68 69	0066 1 ! 0067 1 ! 0068 1 ! 0069 1 !	v03-019	CDS0002 Christian D. Saether 6-Mar-1984 Add re-serialization logic for coming at extension headers directly.
; 70 ; 71 ; 72	0070 1 1 0071 1 1 0072 1 1 0073 1	v03-018	CDS001 Christian D. Saether 1-Mar-1984 Remove call to FLUSH_FID.
58 59 61 63 64 65 66 67 77 77 77 77 78	0074 1 ! 0075 1 !	v03-u17	CDS0009 Christian D. Saether 29-Dec-1983 Add L NORM linkage to routine declarations. Invoke BASE_REGISTER and BIND_COMMON macros where needed.
79	0076 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	v03-016	LMP0166 L. Mark Pilant, 28-Oct-1983 19:07 Correct a bug that caused execute access to grant write access to a directory during a create-if.
81 82 83 84 85 86 87 88 89	0081 1 1 0082 1 1 0083 1 1 0084 1	v03-015	CDS0008 Christian D. Saether 23-Sep-1983 Modify interface to SERIAL_FILE routine. Remove storing access lock ID in FIB.
85 86 87 88	0085 1 ! 0086 1 ! 0087 1 ! 0088 1 !	v03-014	LMP0149 L. Mark Pilant, 16-Sep-1983 13:46 fix potential buffer management problem that may occur in READ_ATTRIB.
; 89 ; 90 ; 91	0089 1 1 0090 1 1 0091 1	v03-013	ACG0354 Andrew C. Goldstein, 13-Sep-1983 16:11 Add alternate access validation mask
91 92 93 94 95	0092 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	v03-012	CDS0007 Christian D. Saether 3-May-1983 Move ACCESS_LOCK and LOCK_MODE routines to separate module. Add call to SERIAL_FILE sync routine.
97 98 99	0097 1 ! 0098 1 ! 0099 1 !	v03-011	CDS0006 Christian D. Saether 28-Apr-1983 Clear DELAY_TRUNC in value block if writer.
100 101 102 103	0100 1 ! 0101 1 ! 0102 1 ! 0103 1 !	v03-010	CDS0005 Christian D. Saether 19-Apr-1983 Don't charge quota for access lock. Bug check on unexpected errors.
104 105 106 107	0104 1 ! 0105 1 ! 0106 1 ! 0107 1 ! 0108 1 !	v03-009	CDS0004 Christian D. Saether 6-Apr-1983 Further refinement of locking routine interfaces. ACCESS_LOCK tests ACCLCK_ID for conversions. ACCESS_LOCK tests CURRENT_UCB [UCB\$L_PID] to see if shared.
; 109 ; 110 ; 111	0109 1 ! 0110 1 ! 0111 1 !	v03-008	CDS0003 Christian D. Saether 17-Jan-1983 Redo the access locking routine interface.
112 113 114	0112 1 ! 0113 1 ! 0114 1 !	v03-007	CDS0002 Christian D. Saether 7-Jan-1983 Take out access lock in exec mode. Return lock id in fib.

:	115 116 117 118	0115 0116 0117 0118		v03-006	LMP0059 L. Mark Pilant, 21-Dec-1982 11:05 Always create an FCB when a file header is accessed. ihis eliminates a lot of special casing in the FCB handling.
:	119 120 121	0119	l :	v03-005	CDS0001 Christian D. Saether 6-Dec-1982 Changes to support lock manager based access control.
	121 122 123 124 125 126 127 128	0123 0124 0125		v03-004	LMP48917 L. Mark Pilant, 7-Oct-1982 12:45 Eliminate the explicit setting of the the access time if write access is sought for a particular file.
	126 127 128	0126 0127 0128		v03-003	LMP0036 L. Mark Pilant, 30-Jun-1982 10:00 Add support for Access Control Lists.
	129 130 131 132 133	0120 0121 0122 0123 0124 0126 0126 0128 0131 0133 0133 0135		v03-002	LMP0023 L. Mark Pilant, 8-Apr-198, 10:40 If there is only one FCB, don't call REMAP_FILE but still set COMPLETE in the window.
	133 134 135 136	0133 0134 0135 0136	1 !		LMP0016 L. Mark Pilant, 25-Mar-1982 13:15 Remove diddling of the COMPLETE bit in the window segments.
	137 138 139	0137 0138 0139		v02-009	ACG0258 Andrew C. Goldstein, 26-Jan-1982 16:54 Fix reference to RVN 1 in expiration date processing
:	140 141 142	0140 0141		800-20v	ACG0230 Andrew C. Goldstein, 23-Dec-1981 23:17 Add expiration date maintenance
	143 144 145	0142 0143 0144 0145		v02-007	LMP0003 L. Mark Pilant, 8-Dec-1981 17:15 Added byte limit quota check on window creation.
:	146 147 148	0146 0147 0148			ACG0225 Andrew C. Goldstein, 24-Nov-1981 17:18 Add NOLOCK support
	149 150	0149 0150 0151	**	v02-005	ACG0167 Andrew C. Goldstein, 16-Apr-1980 19:24 Previous revision history moved to F:1B.REV
:	151 152 153 154 155	0152 0153 0154 0155	LIBRARY REQUIRE	'SYS\$LIE	BRARY:LIB.L32'; CPDEF.B32';
:	156 157 158 159	1146 1147 1148 1149	FORWARD	ROUTINE ACCESS SET_EXPI	: L_NORM, ! main access function processing ! enable expiration date recording

Page

```
VAX-11 Bliss-32 V4.0-742 PR
DISK$VMSMASTER:[F11X.SRC]ACCESS.B32;1
                1150
                          GLOBAL ROUTINE ACCESS : L_NORM =
               1151 1
1152 1
1153 1
1154 1
1155 1
162
                      1
164
165
                            FUNCTIONAL DESCRIPTION:
166
167
                1156
                                   This is the main processing routine for the ACCESS function.
168
169
170
171
                1158
                            CALLING SEQUENCE:
                                   ACCESS ()
                1160
172
173
174
                            INPUT PARAMETERS: NONE
                1161
               1162
1163
1164
1165
175
                            IMPLICIT INPUTS:
176
177
                                   CURRENT_VCB: VCB of volume
                1166
                                   IO_PACKET: address of I/O request packet
178
179
                1168
                            OUTPUT PARAMETERS:
180
                1169
                                   NONE
181
182
183
                1170
                1171
                            IMPLICIT OUTPUTS:
                1172
                                   PRIMARY_FCB: FCB of file
CURRENT_WINDOW: address of file window
134
185
                1174
                                   USER_STATUS: I/O status block to return to user
                1175
186
187
                1176
                            ROUTINE VALUE:
                1177
188
                                   NONE
189
                1178
190
                1179
                            SIDE EFFECTS:
191
               1180
                                  FCB & window created
192
               1181
               1182
1183
194
195
               1184
                         BEGIN
               1185
196
197
               1186
                         BUILTIN
               1187
198
                                   CMPM
199
               1188
                                   SUBM:
200
               1189
201
                1190
                         LABEL
202
                1191
                                   CHECK_EXPIRE:
                                                                         ! check file expiration date
                1192
203
204
205
                         LOCAL
                1194
                                   REALBASIS,
206
207
                1195
                                   STATUS.
                                                                            protection check status value
                                                                            flag indicating new FCB created address of I/O packet
                1196
                                   FCB_CRÉATED,
208
                1197
                                   PACKET
                                                      : REF BBLOCK,
                                                      : REF BBLOCKVECTOR [ ABDSC LENGTH],
209
210
211
213
214
215
216
217
                1198
                                   ABD
                1199
                1200
                                                                            file identification block
                                                      : REF BBLOCK,
                1201
                                                      : REF BBLOCK,
                                   FCB
                                                                            FCB address
                1202
                                   UCB
                                                      : REF BBLOCK.
                                                                            UCB of RVN
                                   PRIMARY_VCB
                                                                            VCB of RVN
                                                      : REF BBLOCK.
                1204
                                   HEADER
                                                      : REF BBLOCK.
                                                                            address of file header
                1205
                                   NEW_HEADER
                                                      : REF BBLOCK.
                                                                            address of extension header
                                   IDENT_AREA
                                                       : REF BBLOCK.
                                                                            address of header ident area
```

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VÕ
```

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Page

```
ACCESS
V04-000
                                                                                                                                                                                                                           15-Sép-1984 23:47:31
14-Sép-1984 12:30:06
                                                                                                                                                                                                                                                                                                             VAX-11 Bliss-32 V4.0-742 Particles P
                                                                                                             DAY TIME FUNCTION
                                                                                                                                                                     : VECTOR [2],
: BLOCK [1];
         ! time of day
! function code qualifiers
                                                                                  EXTERNAL
                                                                                                              ACP$GB_WRITBACK : BITVECTOR ADDRESSING_MODE (ABSOLUTE);
                                                                                                                                                                                                                            ! ACP cache writeback flags
                                                                                 BIND_COMMON:
                                                                                 EXTERNAL ROUTINE
                                                                                                           REBLD_PRIM_FCB : L_NORM NOVALUE, ! rebuild primary fcb from header
BUILD_EXT_FCBS : L_NORM NOVALUE, ! construct extension fcbs, if nec.
ARBITRATE_ACCESS : L_JSB_2ARGS, ! arbitrate file access
CONV_ACCLOCK : L_NORM, ! convert access lock.
RELEASE_SERIAL_LOCK : L_NORM NOVALUE,
SERIAL_FILE : L_NORM, ! serialize file requests
GET_FIB : L_NORM, ! get_FIB for operation
FIND : L_NORM, ! find file in directory
CREATE : L_NORM, ! find file in directory
                                                                                                           CREATE
SWITCH_VOLUME
SWITCH_VOLUME
SEARCH_FCB
READ_HEADER
CREATE_FCB
CHECK_PROTECT
CREATE_WINDOW : L_NORM,
CREATE_WINDOW : L_NORM,
MAKE_ACCESS
ALLOCATION_LOCK : L_NORM,
ALLOCATION_UNLOCK : L_NORM,
RELEASE_LOCKBASIS : L_NORM,
DELETE_FID
PURGE_EXTENT : L_NORM,
FLUSH_QUO_CACHE : L_NORM,
CACHE_LOCK
CHECKSUM
MARK_DIRTY : L_NORM,
                                                                                                                                                                    : L NORM,
: L NORM,
                                                                                                             CREATE
                                                                                                                                                                                                                                  create file
                                                                                                                                                                                                                                 switch to correct volume search FCB list
                                                                                                                                                                                                                                  read file header
                                                                                                                                                                                                                                  create an FCB check file protection
                                                      1231
1232
1233
                                                                                                                                                                         L_NORM, | create a window | L_NORM ADDRESSING_MODE (GENERAL), ! complete the access L_NORM, | take volume allocation lock
                                                      1234
1235
1236
                                                                                                                                                                                                                                  release volume allocation lock
          246
247
248
                                                                                                                                                                                                                                  release buffers under lock
                                                                                                                                                                                                                                  flush file ID cache
                                                      1237
                                                                                                                                                                                                                                  flush extent cache
          249
                                                      1238
                                                                                                                                                                                                                                  flush quota cache
         250
251
                                                      1239
                                                                                                                                                                                                                                  take out cache interlock
                                                      1240
                                                                                                                                                                                                                                  compute file header checksum
         252
253
254
255
                                                      1241
                                                                                                            MARK_DIRTY
READ_ATTRIB
REMAP_FILE
                                                                                                                                                                                                                                  mark bufter for writeback
                                                                                                                                                                    : L_NORM,
                                                      1242
                                                                                                                                                                    : L_NORM,
                                                                                                                                                                                                                                  rend file attributes
                                                                                                                                                                    : L_NORM,
                                                                                                                                                                                                                                  remap the file completely
                                                      1244
                                                                                                             MARK COMPLETE:
                                                                                                                                                                                                                                 mark the file as complete
         256
257
                                                      1245
                                                      1246
                                                                                       Enable the deaccess cleanup if an access is taking place.
          258
259
                                                       1247
                                                      1248
          260
                                                      1249
                                                                                PACKET = .10 PACKET;
FUNCTION = .PACKET[IRP$W_FUNC];
          261
                                                       1250
          262
263
                                                       1251
                                                                                  If .FUNCTION[10$v_ACCESS]
                                                      1252
                                                                                THEN
          264
265
                                                      1254
1255
                                                                                                CLEANUP_FLAGS[CLF_ZCHANNEL] = 1;
CLEANUP_FLAGS[CLF_DELWINDOW] = 1;
         266
267
                                                       1256
                                                                                                END:
                                                       1257
          268
269
270
271
272
273
274
                                                                                       Set up pointers to interesting control blocks.
                                                       1259
                                                       1260
                                                       1261
                                                                                                                                                                                                                            ! pointer to buffer descriptors
                                                                           2 ABD = .BBLOCK [.PACKE
2 FIB = GET_FIB (.ABD);
                                                                                  ABD = .BBLOCK [.PACKET[IRP$L_SVAPTE], AIB$[_DESCRIPT];
```

! pointer to flB

```
ACCESS
V04-000
: 275
: 276
: 277
: 278
```

```
IF .FIB[FIB$L_ALT_ACCESS] NEQ 0
THEN FIB[FIB$V_ALT_GRANTED] = 1;
              1264
1265
12668
1271
1273
1277
1277
1278
1280
                                                                     ! assume access granted
                         Look up the file in the directory if called for.
280
281
283
283
285
                        IF .CLEANUP_FLAGS[CLF_D]RECTORY]
                       THEN FIND (TABD, .FIBT 0);
                          If there is a file open on the channel, check the file ID returned by the
                          FIND against the file ID that is open. If they are different, drop the FCB
286
287
                          and window addresses on the floor.
288
289
                       IF .PRIMARY_FCB NEQ 0
290
                       THEN
291
                            IF .PRIMARY_FCB[FCB$W_FID_NUM] NEQ .FIB[FIB$W_FID_NUM]
292
293
               1281
                            OR .PRIMARY_FCB[FCB$W_FID_RVN] NEQ .FIB[FIB$W_FID_RVN]
              1282
                            THEN
294
                                 BEGIN
295
               1284
                                 PRIMARY_FCB = 0;
               1285
                                 CURRENT_WINDOW = 0:
296
297
               1286
                                 END:
298
               1287
299
              1288
                          If this is a find only, exit now to avoid an extraneous read of the
300
               1289
                          file header.
301
              1290
302
303
               1291
              1292
                       IF NOT .FUNCTION[IO$V ACCESS]
                                                                     ! if no access
304
                       AND .PACKET[IRP$W_BCNT] LEG ABD$C_ATTRIB ! and no attribute list
305
               1294
                       THEN RETURN 1;
                                                                     ! all done
306
              1295
307
              1296
                        ! Switch context to the volume of the specified RVN.
308
              1297
309
              1298
310
              1299
                       SWITCH_VOLUME (.FIB[FIB$W_FID_RVN]);
311
               1300
312
313
               1301
                        ! Synchronize further processing on this file.
              1302
314
315
               1304
                       PRIM_LCKINDX = SERIAL_FILE (FIB [FIB$W_FID]);
               1305
316
317
               1306
                          find the FCB of the file, if one exists. then read the file
318
               1307
                          header. If there is no FCB, create one.
              1308
1309
1310
319
FCb = SEARCH_FCB (FIB[FIB$W_FID]);
              1311
                        REALBASIS = 0;
              1312
1313
1314
1315
1316
1317
1318
                       HEADER = READ_HEADER (FIB[FIB$W_FID], .FCB, REALBASIS);
                       IF .REALBASIS NEQ 0
                       THEN
                            BEGIN
                            LOCAL
                                fID : BBLOCK [6];
               1319
               1320
                            FID [FID$W_NUM] = .REALBASIS<0,16>;
```

```
ACCESS
V04-000
```

```
C 10
15-Sep-1984 23:47:31 VAX-11 Bliss-32 V4.0-742 Page 7
14-Sep-1984 12:30:06 DISK$VMSMASTER:[F11X.SRC]ACCESS.B32;1 (2)
```

```
FID [FID$B_NMX] = .REALBASIS<16,8>;
FID [FID$B_RVN] = .REALBASIS<24,8>;
                13223
13223
1332267
13323
13333
13333
13333
SWITCH_VOLUME (.FID [FID$B_RVN]);
                               RELEASE_SERIAL_LOCK (.PRIM_LCKINDX);
                               PRIM_LCKINDX = SERIAL_FILE (FID);
                               IF SEARCH_FCB (FID) EQL O
                               THEN
                                    ERR_EXIT (SS$_NOSUCHFILE);
                               HEADER = READ_HEADER (FIB [FIB$W_FID], .FCB);
                1335
                               END:
                1336
                1337
                            If the file is marked for delete and is not accessed by this user, and
                1338
                            the accessor is not the system, deny its existence.
350
                1339
351
                1340
                1341
1342
1343
352
353
                         IF .CURRENT_WINDOW EQL O AND .HEADER[FH2$V_MARKDEL]
AND NOT .BB[OCK [BBLOCK [.PACKET[IRP$L_ARB], ARB$Q_PRIV], PRV$V_BYPASS]
THEN ERR_EXIT (SS$_NOSUCHFILE);
354
355
356
357
                1344
                1345
                         FCB_CREATED = 0: IF_FCB_EQL_0
                1346
1347
358
                          THEN
359
                1348
                               BEGIN
                               FCB_CREATED = 1;
360
                1350
361
                              FCB = KERNEL_CALL (CREATE_FCB, .HEADER);
362
                               END:
                1352
1353
363
                          PRIMARY_FCB = .FCB;
                                                                           ! record FCB for external use
364
365
                1354
                            If access is requested, check for conflicts and file protection.
366
                1355
                            then create a window and link everything up.
                1356
1357
367
368
369
370
                1358
                          IF .FUNCTION[10$V_ACCESS]
                1359
                          THEN
371
                1360
372
373
                1361
                               IF (.HEADER[FH2$V_LOCKED])
                1362
1363
                               AND NOT .BBLOCK [BBLOCK [.PACKET[IRP$L_ARB], ARB$Q_PRIV], PRV$V_BYPASS]
374
375
                               THEN ERR_EXIT (SS$_FILELOCKED);
                                                                                     ! file is deaccess Tocked
                1364
1365
376
377
                                    BEGIN
                1366
1367
                                    LOCAL
378
379
                                         PREV_MODE;
                1368
1369
1370
380
381
                                    PREV_MODE = .FCB [FCB$B_ACCLKMODE];
382
383
384
                1371
                                    IF NOT ARBITRATE_ACCESS (.FIB [FIB$L_ACCTL], .FCB)
                1372
                                    THEN ERR_EXIT (SS$_ACCONFLICT);
385
                1374
                                    CURRENT_WINDOW = CREATE_WINDOW (.FIB[FIB$L_ACCTL], .FIB[FIB$B_WSIZE],
                1375
386
                                                                  .HEADER, .PACKET[IPP$L_PID], .FCB);
387
                1376
                1377
388
                                    IF .CURRENT_WINDOW EQL O
```

```
VAX-11 Bliss-32 V4.0-742
V04-000
                                                                                                                DISKSVMSMASTER: [F11x.src]access.b32;1
   389
390
                                         THEN
                    1378
1378
1388
1388
1388
1388
1388
1389
1390
                                              BEGIN
   391
   392
393
394
                                              IF .PREV_MODE<0.8> LSSU .FCB [FCB$B_ACCLKMODE]
                                              THEN
                                                   CONV_ACCLOCK (.PREV_MODE, .fCB);
   395
   396
397
                                              ERR_EXIT (SS$_EXBYTLM);
                                              END.
   398
   399
                                        MAKE_ACCESS (.FCB, .CURRENT_WINDOW, .ABD);
   400
401
402
403
                                        IF .FCB [FCB$V_DELAYTRNC]
AND .FIB [FIB$V_WRITE]
                    1391
                    1392
1393
                                        THEN
   404
                                              BEGIN
   405
                    1394
                                              IF .FCB [FCB$B_ACCLKMODE] LSSU LCK$K_PWMODE
                    1395
   406
                                              THEN
   407
                    1396
                                                   IF NOT CONV_ACCLOCK (LCK$K_PWMODE, .FCB)
                    1397
   408
                                                   THEN
   409
                    1398
                                                        BUG_CHECK (XQPERR, FATAL, 'Unexpected lock manager error');
                    1399
   410
                    1400
                                             FCB [FCB$V_DELAYTRNC] = 0;
FCB [FCB$L_TRUNCVBN] = 0;
   411
   412
                    1401
                    1402
   414
                                              CONV_ACCLOCK (.FCB [FCB$B_ACCLKMODE], .FCB);
   415
                    1404
                                              END:
                    1405
   416
   417
                    1406
                                        END:
                    1407
   418
   419
                    1408
                                 If file expiration is enabled and the volume is writable, check the current expiration date. If it needs to be updated, note this for
   444444444444445678901234567890
                    1409
                                 processing during deaccess. Note that we use the retention parameters from RVN I if this is a volume set.
                    1410
                    1411
                    1412
                    1414
                                   CHECK_EXPIRE: BEGIN
                    1415
                                   PRIMARY_VCB = .CURRENT_VCB;
                                   UCB = . TURRENT UCB.
                    1416
                    1417
                                   IF .PRIMARY_VCB[VCB$W_RVN] NEQ O
                    1418
                                   THEN
                    1419
                    14223
14223
14223
14225
14226
14230
14334
14334
                                        UCB = .VECTOR [CURRENT_RVT[RVT$L_UCBLST], 0];
                                        IF .UCB EQL O
                                        THEN LEAVE CHECK_EXPIRE;
PRIMARY_VCB = .UCB(UCB$L_VCB);
                                        END:
                                   IF NOT .BBLOCK [UCB[UCB$L_DEVCHAR], DEV$V_SWL]
                                   AND NOT .FIB[FIB$V_NORECORD]
                                   AND CMPM (2, PRIMARY_VCBEVCB$Q_RETAINMAX), UPLIT (0, 0)) NEQ 0
                                   AND .HEADEREFH2$8_MPOFFSETJ-.HEADEREFH2$8_IDOFFSETJ
   441
                                        GEQU ($BYTEOFFSET (F12$Q_EXPDATE) + FT2$S_EXPDATE) / 2
                                   THEN
                                        BEGIN
   444
                                        IDENT_AREA = .HEADER + .HEADER[FH2$B_IDOFFSET]*2;
```

SGETTIM (TIMADR = DAY_TIME);

```
ACL
VO4
```

```
15-Sep-1984 23:47:31
14-Sep-1984 12:30:06
ACCESS
V04-000
                                                                                                                  VAX-11 Bliss-32 V4.0-742
                                                                                                                  DISK$VMSMASTER: [F11x.src]access.b32;1
                                         SUBQ (PRIMARY VCB[VCBSQ RETAINMIN], DAY TIME);
IF CMPM (2, IDENT_AREALF12SQ EXPOATE), DAY TIME) LSS O
   446
                    1435
1436
1437
1438
1449
1441
1443
   448
                                         THEN KERNEL_CALL (SET_EXPIRE);
    449
                                         END;
   450
451
452
453
                                    END:
                                                                                   ! end of block CHECK_EXPIRE
                                    END:
                                                                                   ! end of access processing
   454
                                 If the file is multi-header, read the extension headers and create
                    1444
                                 extension f(B's as necessary.
   456
457
                    1445
                    1446
1447
1448
1449
1450
1451
1453
   458
                               IF .FCB_CREATED
   459
                               THEN
   460
                                    BUILD_EXT_FCBS (.HEADER)
    461
                               ELSE
   462
463
                                    IF .FCB [FCB$V_STALE]
                                    THEN
   464
                                         BEGIN
                    1454
   465
   466
                                         REBLD_PRIM_FCB (.FCB, .HEADER);
                    1456
   467
   468
                                         BUILD_EXT_FCBS (.HEADER);
                    1458
1459
   469
   470
471
472
473
                                         END:
                    1460
                    1461
                    1462
                               ! Finally make sure that access is allowed to the file.
   474
                    1464
   476
                               IF .FUNCTION[IU$V_ACCESS]
                    1466
                               THEN
   478
479
                                    BEGIN
                    1468
                                    STATUS = CHECK_PROTECT (IF .FIB[FIB$V_EXECUTE]
                                                         AND NOT .FIB[FIB$V_WRTTE]
   480
                    1469
   481
                    1470
                                                         AND NOT .FIB[FIB$V_NOREAD]
   482
483
                    1471
                                                         AND .PACKET[IRP$V_MODE] LEQU 2
                    1472
1473
                                                         THEN EXEC_ACCESS
   484
                                                         ELSE .FIBTFIB$V_WRITE] OR .FIBTFIB$V_NOREAD],
   485
                    1474
                                                         .HEADER,
   486
487
                    1475
                                                         .FCB.
                    1476
1477
                                                         MAXU (.PACKET[IRP$v_MODE], .fIB[fIB$B_AGENT_MODE]),
   488
                                                         .FIB(FIB$L_ALT_ACCESS),
   489
                    1478
                                                         .f1B[f1B$V_ALT_REQ]);
                    1479
   490
   491
492
493
                    1480
                                    IF .STATUS EQL SS$_NOTALLPRIV
                    1481
1483
1484
1486
1486
1488
1489
1490
                                    THEN FIB[FIB$V_ALT_GRANTED] = 0;
   494
                                 If this is a write access to the index file, the storage map, or the
                                  guota file, flush the appropriate cache. Also take out the cache lock
   496
                                  if the volume is cluster accessible.
   498
                                    IF .CURRENT_WINDOW(WCB$V_WRITE]
AND ((.FIB(FIB$B_FID_NMX) EQL 0
          AND .FIB(FIB$W_FID_NUM) LEQU FID$C_BITMAP)
          OR .FCB_EQL .CURRENT_VCB(VCB$L_QUOTĀFCB])
    499
    500
    501
```

1491

502

10

1544 1545

END;

556

.TITLE ACCESS

! end of routine ACCESS

.IDENT \V04-000\

.PSECT \$CODE\$,NOWRT,2

00000000	00000000	00000 P.AAA:	LONG	0.0
0000000	0000000	00000 1	. L 0.10	0, 0

		000			00000	1 • 000 •		· ·	•
							EXTRN EXTRN EXTRN EXTRN EXTRN EXTRN EXTRN EXTRN EXTRN EXTRN EXTRN EXTRN EXTRN EXTRN EXTRN	ACP\$GB_WRITBACK REBLD_PRIM_FCB, BUILD_EXT_FCBS ARBITRATE_ACCESS CONV_ACCLOCK, RELEASE_SERIAL_LOCK SERIAL_FILE, GET_FIB FIND, TREATE, SWITCH_VOLUME SEARCH_FCB, READ_HEADER CREATE_FCB, CHECK_PROTECT CREATE_WINDOW, MAKE_ACCESS ALLOCATION_LOCK ALLOCATION_UNLOCK RELEASE_LOCKBASIS DELETE_FID, PURGE_EXTENT FLUSH_QUO_CACHE CACHE_LOCK, CHECKSUM MARK_DIRTY, READ_ATTRIB REMAP_FILE, MARK_COMPLETE BUG\$_XQPERR, SYS\$GETTIM	
		ςε			FC 00000 C2 00002		.ENTRY	ACCESS, Save R2,R3,R4,R5,R6,R7,R8,R9,R11	: 1150
		5E 58 54 7E	0C	AA	9E 00005 D0 00009		SUBL2 MOVAB MOVL	#20, SP 12(BASE), R8 -112(BASE), PACKET	1211
06		7E 6E	90 20	A4	3C 00000 E1 00011		MOVZWL	32(PACKET), FUNCTION	1250
00	02	AA 59	0402 20	8F B4	A8 00015 D0 0001B DD 0001F	1\$:	BBC BISW2 MOVL	#6, FUNCTION, 1\$ #1026, 2(BASE) #44(PACKET), ABD ABD	1250 1251 1255 1262 1263
	0000G	CF 52		Ó1	FB 00021		PUSHL CALLS	W1, GET_FIB	1203
		76	3 C	A2	DO 00026 D5 00029		MOVL TSTL	RO, FIB 60(FIB)	1264
22	38	A2		02	13 0002C 88 0002E E1 00032	2.0	BEQL BISB2	2\$ #2. 56(FIB)	1265
0 B		6A		7E	D4 00036	25 :	BBC CLRL	#6, (BASE), 3\$ -(SP)	: 1270 : 1271
				52 59	DD 00038 DD 0003A		PUSHL PUSHL	FIB ABD	; ;
	0000G	CF 50	08	0.5 A.A	FB 0003C	3\$:	CALLS MOVL	#3, FIND 8(BASE), RO	1278
	04	A2	24		13 00045 B1 00047		BEQL CMPW	5 \$ 36(RO), 4(FIB)	1280
	08	A2	28	07	12 0004C B1 0004E		BNEQ CMPW	4\$ 40(RO), 8(FIB)	1281
			08	05	13 00053 04 00055	45.	BEQL CLRL	5\$ 8(BASE)	1284
09		45	00	68	D4 00058 E0 0005A		CLRL BBS	(R8)	: 1285 : 1292
U 7		6E 05	32	A4	B1 0005E	<i>y</i> ● •	CMPW	#6, FUNCTION, 6\$ 50(PACKET), #5	1293
		76	00	03 0331	1A 00062 31 00064 3C 00067	4.0	BGTRU BRW	6\$ 45\$	1200
		7E	08	A2	של של של של	o ≱:	MOVZWL	8(FIB), -(SP)	: 1299

					15 14	1 10 5-Sep-19 5-Sep-19	984 23:47 984 12:30	:31 VAX-11 Bliss-32 V4.0-742 Pa :06 DISK\$VMSMASTER:[F11X.SRC]ACCESS.B32;1	ge (2)
	0000G	CF	•	01	FB 0006B	·	CALLS	#1, SWITCH_VOLUME 4(FIB)	
	၀၀၀ုစ္မွ	CF	04	A2 01	9F 00070 FB 00073		PUSHAB CALLS	#1. SERIAL FILE	1304
	18	AA CE	04	01 50 A2 01	DO 00078 9f 0007C		MOVL PUSHAB	RO, 24 (BASE) 4 (FIB)	1310
	0000G	CF 53	04		FB 0007F D0 00084 D4 00087		CALLS MOVL	W1, SEARCH_FCB RO, FCB PEALBASIS	1711
			04	AE S T	9F 0008A		CLRL PUSHAB PUSHL	REALBASIS REALBASIS	1311
	0000G	CF	04	ÁŽ	9F 0008F FB 00092		PUSHAB CALLS	FCB 4(FIB) #3, READ_HEADER	
	00000	CF 56	04	5AA5A05A4AAAA	DO 00097 D5 0009A		MOVL TSTL	RO, HEADER REALBASIS	1314
	08	AE	04	45 AE	13 0009D B0 0009F		BEQL MOVW	7\$ REALBASIS, FID	•
	OD OC	AE AE	06 07	AÉ AE	90 000A4 90 000A9		MOVB MOVB	REALRASIS+2 FID+5	1320 1321 1322 1324
	0000G	7Ē CF	00	01	9A U00AE FB 000B2		MOVZBL Calls	REALBASIS+3, FID+4 FID+4, -(SP) W1, SWITCH_VOLUME 24(BASE)	:
	0000G	CF	18	AA 01	DD 000B7 FB 000BA		PUSHL CALLS	#I, KELEANE_SEKIAL_LUCK	1326
	0000G	CF	08	AE 01	9F 000BF FB 000C2		PUSHAB CALLS	#1, SERIAL_FILE	1328
	18 0000G	AA CF	80	50 AE	DO 000C7 9F 000CB		MOVL PUSHAB	RO, 24(BASE) FID M1 SEARCH FOR	1330
	00000	Lr		01 50	FB 000CE D5 000D3 13 000D5		CALLS TSTL	#1, SEARCH_FCB RO 8\$	
			04	1B 53 A2 02	DD 000D7 9F 000D9		BEQL PUSHL PUSHAB	FCB 4(FIB)	1334
	0000G	CF 56	04	02 50	FB 000DC D0 000E1		CALLS	#2. READ HEADER	
		,,		68 0F	05 000E4 12 000E6	7\$:	TSTL BNEO	RÖ, HEADER (R8) 9\$	1341
			35	A6 0A	95 000E8 18 000EB		TSTB BGEQ	53(HEADER) 9\$	
05	58	B4	0910	1 D 8 F	EO 000ED BF 000F2	8\$:	BBS CHMU	N29, 288(PACKET), 9\$ N2320	1342
				5B	04 000F6 D4 000F7		RET CLRL	FCB_CREATED	1345
				5B 53 0D	05 000F9 12 000FB		TSTL BNEQ	FCB 10\$	1346
	00006	5B		01 56	DO 000FD DD 00100		MOVL PUSHL	M1, FCB_CREATED HEADER	; 1349 ; 1350
	00006	CF 53		01 50 53	FB 00102 D0 00107	100.	CALLS MOVL	W1, CREATE_FCB R0, FCB R6,	1752
03	08	AA 6E		06 011E	DO 0010A EO 0010E 31 00112	10\$:	MOVL BBS BRW	FCB, 8(BASE) #6, FUNCTION, 11\$ 25\$; 1352 ; 1358
0A 05	34 58	A6 B4		06 1D	E1 00115	115:	BBC BBS	M6, 52(HEADER), 12\$	1361 1362
U)	70	7	08A8	8F	RF 0011F		CHMU Ret_	#29, 388(PACKET), 12\$ #2216	1363
		55 51	0B	A3 53 62	04 00123 9A 00124 D0 00128 D0 0012B	12\$:	MÖVZBL Movl	11(FCB), PREV_MODE FCB, R1	1369
		ř		62	DÖ ÖÖ12B		MOVE	(F18), RO	:

VAX-11 Bliss-32 V4.0-742 Page 13 DISK\$VMSMASTER:[F11X.SRC]ACCESS.B32;1 (2)

		05	0800	0000G 30 50 E8 8F BF	0012E 00131 00134		BSBW BLBS CHMU	ARBITRATE_ACCESS RO. 13\$ #2048	; 1372
			0000	04	00138	176.	RET		.
			00	53 DD A4 DD	0013B	13\$:	PUSHL PUSHL	FCB 12(PACKET)	: 1375
		7E	03	A4 DD 56 DD A2 98 62 DD	00140		PUSHL CVTBL	HEADER 3(FIB), -(SP)	1374
	0000G	CF		62 DD	00144		PUSHL CALLS	(FIB) #5, CREATE_WINDOW	
	00000	68		50 DC	0014B		MOVL	RO, (R8)	
		_		68 D5	0014B 0014E 00150 00152		TSTL BNEQ CMPB	(R8) 15\$: 1377
	08	A3		55 91 09 18	00152		CMPB BGEQU	PREV_MODE, 11(FCB) 14\$	1381
				53 DD	00158		PUSHL	FCB	1383
	0000G	CF	• • • •	02 FB	0015C		PUSHL Calls	PREV_MODE #2, CONV_ACCLOCK	
			2A14	8F BF 04	00161	148:	CHMU Ret	#10772 ⁻	1385
				59 DD	00166	15\$:	PUSHL PUSHL	ABD (R8)	1388
	00000000	00		53 DD	00168 0016A 0016C		PUSHL	FCB	
2C	0000000G 23	00 A 3		01 E1	90175		CALLS BBC	#3, MAKE_ACCESS #1, 35(FCB), 17\$ 1(FIB), 17\$	1390
		28 04	01 0B	A2 E9 A3 91	00178		BLBC CMPB	1(FIB), 17 \$ 11(FCB), #4	: 1391 : 1394
			00	10 1E	00180		BGEQU	16\$:
				04 DD	00184		PUSHL PUSHL	FCB #4	1396
	0000G	C F 04		02 FB 50 E8	00186 0018B		CALLS BLBS	#2, CONV_ACCLOCK RO, 16\$	
		•		FEFF	0018E 00190		BUGW		1398
	23	A3		0000°	00192	16\$:	.WORD BICB2	<bug\$_xqperr!4> #2, 35(FCB)</bug\$_xqperr!4>	1400
			50	02 8A A3 D4 53 DD A3 9A			CLRL PUSHL	80(FCB) FCB	1401
	0000G	7E	08	A3 9A 02 FB	0019B		MOVZBL	11(f(B), -(SP)	
	00000	CF 55 50	98	AA DO	001A4	17\$:	CALLS MOVL	#2, CONV_ACCLOCK -104(BASE), PRIMARY_VCB	1415
		50	98 94 0E	AA DO A5 B5 OE 13	8A100 04100		MOVL TSTW	14(PRIMARY VCB)	1416
		51		0E 13	001AF		BEQL Movl	18\$ -100(BASE), R1	1420
		51 50	90 44	AA DO A1 DO 78 13	001B5 001B9		MAN		•
		55	34	AO DO	001BB		BEQL Movl	08(RT), UCB 25\$ 52(UCB), PRIMARY_VCB #1, 59(UCB), 25\$ #21, (FIB), 25\$ #1, RO 120(PRIMARY_VCB), P.AAA+4	1421 1423 1426 1427 1428
6F 6B	38	A 0		01 E0	001BF	18\$:	BBS BBS	#1, 59(ÚCB), 25\$ #21 (FIB) 25\$	1426
00	. c . n	50	70	01 CE	00168		MNEGL	#1, R0	1428
	FE2B	CF	78	A5 D1	00101		BF 22	213	
	FE1D	CF	74	0A 14 A5 D1	00103		BGTR CMPL	19\$ 116(PRIMARY_VCB), P.AAA	
	, , , ,	• •	• •	04 13	001DB		BEQL	20\$ 21\$, •
				04 1F 50 D6		19\$:	BLSSU Incl	RO RO	•

					J 10 15-Sep-1984 23: 14-Sep-1984 12:	7:31 VAX-11 Bliss-32 V4.0-742 50:06 DISK\$VMSMASTER:[F11X.SRC]ACCESS.B	Page 14 32;1 (2)
		00000000G 10 14 14	50 01 51 50 17 50 57 10 00 AE 6C AE 70 50 AE 2A	6510D660 3660 A15007 664E105007	D6 001E1 20\$: INCL D5 001E3 21\$: TSTL 13 001E5 9A 001E7 9A 001EB MOVZB! C2 001EE SUBL2 D1 001F1 CMPL 1F 001F4 BLSSU 9A 001F6 MOVZB! 3E 001F9 MOVAW 9F 001FD PUSHA! FB 00200 CALLS C2 00207 SUBL2 D9 0020C SBWC CE 00211 MNEGL D1 00214 CMPL 19 00219 BLSS D1 0021D CMPL	RO RO 25\$ 1 (HEADER), RO (HEADER), RO RO, #23 25\$ (HEADER) RO (HEADER) RO (HEADER) LRO], IDENT_AREA DAY_TIME #1, SYS\$GETTIM 108(PRIMARY_VCB), DAY_TIME 112(PRIMARY_VCB), DAY_TIME #1, RO 42(IDENT_AREA), DAY_TIME 24\$ 22\$ 38(IDENT_AREA), DAY_TIME	1429 1430 1433 1434 1435 1436
7E 7E	38 0B	0000v 0000G 0000G 03 A2 A4	CF OD 10 23 CF CF 6E 01 3C 02 6E 2E 6E 2E	0440005050B3F2616302024 00555005A805000000000000000000000000000	1F 00224 D6 00226 22\$: INCL D6 00228 23\$: INCL D5 0022A 24\$: ISTL BGEQ FB 0022E E8 00233 25\$: BLBS E9 00236 BB 0023A FB 0023E DD 00243 26\$: PUSHL FB 00245 FB 00245 FB 00245 FB 00251 28\$: BRW EF 00251 28\$: EXTZV DD 00257 EF 0025A 91 00260 1B 00264 9A 00266	23\$ 24\$ R0 R0 R0 25\$ #0, SET_EXPIRE FCB_CREATED, 26\$ 35(FCB), 27\$ #^M <r3,r6> #2, REBLD_PRIM_FCB HEADER #1, BUILD_EXT_FCBS #6, FUNCTION, 28\$ 38\$ #0, #1, 56(FIB), -(SP) 60(FIB) #0, #2, 11(PACKET), -(SP) 46(FIB), (SP) 29\$ 46(FIB), (SP)</r3,r6>	1437 1447 1447 1451 1455 1457 1465 1478 1477 1476
02	08	0 C A 4	14 02 10 01 62 02	56 A2 0A 00 06 10	DD C026A 295: PUSHL DD 0026C PUSHL E9 0026E BLBC E8 00272 BLBS E0 00276 BBS ED 0027A CMPZV 1A 00280 BGTRU DD 00282 PUSHL	FCB HEADER 2(FIB), 30\$ 1(FIB), 30\$ #10, (FIB), 30\$ #0, #2, 11(PACKET), #2 30\$ #6 31\$	1475 1474 1468 1469 1470 1471
50 51	01	00006 0000681	01 01 50 CF 57 8F	00 0A 51 50 50 57 04	11 00284 EF 00286 30\$: EXTZV EF 0028C EXTZV C8 00291 BISL2 DD 00294 PUSHL FB 00296 31\$: CALLS D0 0029B MOVL D1 0029E CMPL 12 002A5 BNEQ	#0, #1, 1(FIB), R0 #10, #1, (FIB), R1 R1, R0 R0 #6, CHECK PROTECT R0, STATUS STATUS, #1665 32\$	1473 1468 1480

7E

7E

						K 10 15-Sep- 14-Sep-	1984 23:47 1984 12:30	7:31 VAX-11 Bliss-32 V4.0-742 0:06 DISK\$VMSMASTER:[F11X.SRCJACC	Page 15 ESS.B32;1 (2)
		38	A2 50		02 68	8A 002A7 D0 002AB 32\$:	BICB2 MOVL	#2, 56(FIB) (R8), R0	: 1481 : 1488
	71	0 B	ÃŎ	09	01 A2	E1 002AE 95 002B3	BBC TSTB	ທີ່ 11 (RO), 38\$ 9(FIB)	.
			02	04	06 A2	12 002B6 B1 002B8	BNEQ CMPW	33\$ 4(FIB), #2	1489
					0 A	1B 002BC	BLEQU	54 \$	1490
		54	50 A 0	98	AA 53	DO 002BE 33\$: D1 002C2	MOVL CMPL	-104(BASE), RO FCB, 84(RO)	1491
		0000G	CF	00	5 C 0 O	D1 002C2 12 002C6 FB 002C8 34\$:	BNEQ CALLS	38\$ WO, ALLOCATION_LOCK	1494
		54	50 A 0	98	53	DO 002CD D1 002D1	MOVL CMPL	#O, ALLOCATION_LOCK -104(BASE), RO FCB, 84(RO)	; 1496
		00006	CF		07 00	12 002D5 FB 002D7 11 002DC	BNEQ CALLS	#0. FLUSH QUO CACHE	1497
			01	04	16 A2 09	B1 002DE 35\$:	BRB CMPW	5/\$ 4(FIB), #1	1498
					7E	12 002E2 D4 002E4	BNEQ CLRL	36\$ -(SP)	1499
		0000G	CF		01 07	D4 002E4 FB 002E6 11 002EB	CALLS BRB	#1. DELETE_FID 37\$	
		0000G	CF		7E 02	7C 002FD 56%:	CLRQ CALLS	-(SP) #2, PURGE_EXTENT	1500
		0000G	7E CF		02 01 01	FB 002EF CE 002F4 37\$: FB 002F7	MNEGL CALLS	#2, PURGE_EXTENT #1, -(SP) #1. RELEASE LOCKBASIS	1502
		0000G	CF 50 1B	94	00 AA	FB 002FC D0 00301 E9 00305	CALLS MOVL	#1, RÈLEASE_LOCKBASIS #0, ALLOCATION_UNLOCK -108(BASE), RO 60(RO), 38\$	1503 1505
			18	3 C 5 4	AQ A3	E9 00305 D5 00309	BLBC TSTL	60(R0), 38\$ 84(FCB)	1506
				•	16	12 0030C	BNEQ PUSHL	38\$ #2	1509
				54 40	02 A3 A3	DD 0030E 9F 00310 DD 00313 FB 00316	PUSHAB PUSHL	84(FCB) 76(FCB)	
		0000G	CF 57	70	03	FB 00316 D0 0031B	CALLS	#3. CACHE LOCK	•
			57 03		50 57 57	DO 0031B E8 0031E BF 00321 04 00323 B1 00324 38\$:	MOVL BLBS CHMU	RO, STATUS STATUS, 38\$ STATUS	1510
			05	32		04 00323	RET CMPW		1519
			U)	32	A4 3E 68 27	B1 00324 38\$: 1B 00328	BLEQU	50(PACKET), #5 42\$	1518
70	A 2		01		27	1B 00328 D5 0032A 12 0032C EF 0032E DD 00334 EF 00337 91 0033D 1B 00341	TSTL BNEQ	(R8) 40\$	1521
38	A2		01	3 C	00 A 2 00	EF 0032E DD 00334 EF 00337	PUSHL	#0, #1, 56(FIB), -(SP) 60(FIB)	1524
0B	A 4		02 6E	2E	A 2	91 00337 91 0033D	CMPB	60(FIB) #0, #2, 11(PACKET), -(SP) 46(FIB), (SP)	1523
			6E	2E	A2 04 A2 53	1B 00341 9A 00343 DD 00347 39\$:	BNEQ EXTZV PUSHL EXTZV CMPB BLEQU MOVZBL	46(FIB), (SP)	
					56	DD 00347 398: DD 00349	PUSHL	FCB HEADER	1522
		0000G	CF 57		04 06 50	DD 00349 DD 0034B FB 0034D D0 00352 BB 00355 40\$: FB 00359	PUSHL C a lls	#4 CHECK PROTECT	
				0240	8F	rB 0034D D0 00352 BB 00355 40\$: FB 00359 E8 0035E BF 00361	MOVL PUSHR CALLS BLBS	RO, STATUS M^M <r6,r9> M2, READ_ATTRIB RO, 41\$ MO</r6,r9>	1525
		00006	CF 03		02 50	FB 00359 EB 0035E BF 00361	CALLS BLBS	#2, READ_ATTRIB RO, 41\$	

				15-5 14-5	0 ep-1984 23:47 ep-1984 12:30	7:31	Page 16 CJACCESS.B32;1 (2)
00000681	56 8F	04	AA 57	04 00363 D0 00364 41 D1 00368 42 12 0036F	S: CMPL	4(BASE), HEADER STATUS, #1665	1526 1529
38	A2 6E 51		04 02 06 68 06	8A 00371 E1 00375 43 D0 00379	MOVL	43\$ #2, 56(FIB) #6, FUNCTION, 45\$ (R8), R1 #6, 11(R1), 45\$	1530 1535 1537
7 0B	A1 50	08 00	06 AA 60 07	E1 0037C D0 00381 D5 00385 13 00388	BBC MOVL TSTL BEQL	#6, 11(R1), 45\$ 8(BASE), R0 12(R0) 44\$	1539
0000G	CF		00 07	FB 0038A 11 0038F	CALLS Brb	#0, REMAP_FILE 45\$	1540
0000G	CF 50		51 01 01	DD 00391 44 iB 00393 i0 00398 45 04 0039B	S: PUSHL CALLS	R1 #1, MARK_COMPLETE #1, R0	; 1541 ; 1543 ; 1545

; Routine Size: 924 bytes, Routine Base: \$CODE\$ + 0008

1F

17

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ACI
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; 1

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ACCESS
V04-000
                                                                                   15-Sep-1984 23:47:31
14-Sep-1984 12:30:06
                                                                                                                   VAX-11 Bliss-32 V4.0-742
                                                                                                                                                                  Page 17
                                                                                                                   DISK&VMSMASTER: [F11x.src]access.B32;1
   5556123
5566123
55667
55667
5577
5777
5777
                    GLOBAL ROUTINE SET_EXPIRE : L_NORM =
                               1++
                                  FUNCTIONAL DESCRIPTION:
                                          This routine sets the bit in a wirdow marking the file for
                                          expiration date recording when it is closed.
                                  CALLING SEQUENCE:
                                          SET_EXPIRE ()
                                  INPUT PARAMETERS:
                                          NONE
                     1560
                     1561
1562
1563
                                  IMPLICIT INPUTS:
                                          CURRENT_WINDOW: address of file window
                     1564
1565
1566
1567
1568
1569
                                  OUTPUT PARAMETERS:
                                          NONE
   578
579
                                  IMPLICIT OUTPUTS:
    580
                                          NONE
   ROUTINE VALUE:
                     1571
                    1572
1573
1574
1575
1576
1577
1578
1579
1581
                                  SIDE EFFECTS:
                                         expire bit set
                               BEGIN
                               BIND_COMMON;
                     1581
                    1582
1583
                               CURRENT_WINDOW(WCB$V_EXPIRE) = 1;
                            2
2
1
1 END;
                    1584
1585
                                                                                   ! End of routine SET_EXPIRE
                                                                                                          SET_EXPIRE, Save nothing 12(BASE), RO #128, 11(RO) #1, RO
                                                                        00000 0000
20000 00
                                                                                                                                                                      1546
1582
                                                                                                 .ENTRY
                                                   50
A0
50
                                                                                                 MOVL
                                                                     8f
01
                                                                          88
D0
                                                               8Ŏ
                                                                              00006
                                                                                                BISB2
                                                                                                                                                                      1585
                                                                              0000B
                                                                                                MOVL
                                                                          04
                                                                                                RET
                                                                              0000E
; Routine Size: 15 bytes,
                                       Routine Base: $CODE$ + 03A4
   598
599
                    1586
1587
                               END
   600
                     1588
                            O ELUDOM
```

M 10

```
AC
VO
```

```
N 10
15-Sep-1984 23:47:31
14-Sep-1984 12:30:06
```

VAX-11 Bliss-32 V4.0-742 Pa DISK\$VMSMASTER:[F11X.SRC]ACCESS.B32;i Page 18

PSECT SUMMARY

Bytes Name

Attributes

\$CODE\$

ACCESS V04-000

947 NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

----- Symbols -----File Total

Pages Mapped Processing

Time

_\$255\$DUA28:[SYSLIB]LIB.L32:1

86

Loaded Percent

1000

00:02.0

COMMAND QUALIFIERS

18619

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: ACCESS/OBJ=OBJ\$: ACCESS MSRC\$: ACCESS/UPDATE=(ENH\$: ACCESS)

; Size: 939 code + 8 data bytes ; Run Time: 00:40.5 ; Elapsed Time: 01:32.8 ; Lines/CPU Min: 2350 ; Lexemes/CPU-Min: 42153

: Memory Used: 425 pages : Compilation Complete

0167 AH-BT13A-SE

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